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(21) International Application Number: PCT/US98/17157 (22) International Filing Date: 19 August 1998 (19.08.98) (30) Priority Data: 60/056,164 19 August 1997 (19.08.97) US (71) Applicant (for all designated States except US): VANDERBILT UNIVERSITY [US/US]; 305 Kirkland Hall, Nashville, TN 37240 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): DANIEL, Thomas, O. [US/US]; 3905 Trimble Road, Nashville, TN 37215 (US). STEIN, Elke [DE/US]; 2122 Ecklen Avenue, Nashville, TN 37212 (US). (74) Agents: MILLER, Mary, L. et al.; Needle & Rosenberg, P.C., 127 Peachtree Street, N.E., Atlanta, GA 30303 (US).		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS FOR DETERMINING CELL RESPONSES THROUGH EphB RECEPTORS (57) Abstract The present invention provides a method for initiating, promoting and/or directing cell attachment to a matrix or to another cell, comprising contacting an EphB receptor-expressing cell with a tetrameric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby initiating, promoting and directing cell attachment to a matrix or to another cell. Also provided is a method for promoting angiogenesis, comprising contacting EphB receptor-expressing cells which are associated with angiogenesis with a multimeric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby promoting angiogenesis.		